

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| L1 | 1 | "6225888".pn. | USPAT | OR | OFF | 2007/06/27 09:47 |
| L2 | 57 | (base adj station) WITH (private adj key) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/06/27 09:25 |
| L3 | 28 | 2 and signature | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/06/27 09:32 |
| L4 | 668 | (authenticat\$ verif\$) WITH (mobile cellular) WITH signature | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/06/27 09:33 |
| L6 | 215 | (authenticat\$ verif\$) near4 (mobile cellular) near4 signature | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/06/27 09:36 |
| L7 | 123 | 6 and (private near key) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/06/27 09:37 |
| L8 | 1 | "5,371,794".pn. | USPAT | OR | OFF | 2007/06/27 09:54 |
| L9 | 1 | 8 and (base WITH private) | USPAT | OR | ON | 2007/06/27 09:55 |
| L10 | 1 | 8 and (base WITH private with signature) | USPAT | OR | ON | 2007/06/27 09:55 |
| S1 | 1 | "6173173".pn. | USPAT | OR | OFF | 2004/05/04 13:56 |
| S2 | 1 | S1 and key | USPAT | OR | OFF | 2004/05/04 13:28 |
| S3 | 1 | S1 and key | USPAT | OR | ON | 2004/05/04 13:38 |
| S4 | 0 | S1 and initial | USPAT | OR | ON | 2004/05/04 13:38 |
| S5 | 1 | "5204902".pn. | USPAT | OR | OFF | 2004/05/04 13:56 |
| S6 | 1 | S5 and generat\$ | USPAT | OR | OFF | 2004/05/04 13:56 |
| S7 | 1 | "5204902".pn. | USPAT | OR | OFF | 2007/06/27 09:15 |
| S8 | 275 | challenge same (generat\$ WITH key) | USPAT | OR | ON | 2003/11/17 11:03 |
| S9 | 29 | (challenge same (generat\$ WITH key)) and padding | USPAT | OR | ON | 2003/11/17 11:04 |
| S10 | 17 | ((challenge same (generat\$ WITH key)) and padding) and (mobile or cellular) | USPAT | OR | ON | 2003/11/17 11:04 |
| S11 | 4 | (challenge same (generat\$ WITH key)) and (padding WITH key) | USPAT | OR | ON | 2003/11/17 11:04 |

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| S12 | 4 | ((challenge same (generat\$ WITH key)) and (padding WITH key)) and (mobile or cellular) | USPAT | OR | ON | 2003/11/17 11:05 |
| S13 | 0 | ((challenge same (generat\$ WITH key)) and (padding WITH key)) and (mobile or cellular)) and hash | USPAT | OR | ON | 2003/11/17 11:05 |
| S14 | 5 | ((challenge same (generat\$ WITH key)) and padding) and (mobile or cellular)) and hash\$ | USPAT | OR | ON | 2003/11/17 11:05 |
| S15 | 5 | ((challenge same (generat\$ WITH key)) and padding) and (mobile or cellular)) and hash\$) and (mobile or cellular) | USPAT | OR | ON | 2003/11/17 11:09 |
| S16 | 92 | Padding WITH key | USPAT | OR | ON | 2003/11/17 11:17 |
| S17 | 3 | (Padding WITH key) same advantag\$ | USPAT | OR | ON | 2003/11/17 11:09 |
| S18 | 48 | (Padding WITH key) and encrypt\$ | USPAT | OR | ON | 2005/01/31 14:29 |
| S19 | 1 | "5204902".pn. | USPAT | OR | ON | 2003/11/18 09:47 |
| S20 | 1 | "5204902".pn. and memory | USPAT | OR | ON | 2003/11/18 09:47 |
| S21 | 2857 | challenge near3 response | USPAT | OR | ON | 2005/01/31 14:33 |
| S22 | 466 | S21 same keys | USPAT | OR | ON | 2005/01/31 14:33 |
| S23 | 0 | S22 and subscriber and (concat\$ near4 initial) and (second near2 key) and hash\$ | USPAT | OR | ON | 2005/01/31 16:05 |
| S24 | 0 | S22 and (concat\$ near4 initial) and (second near2 key) and hash\$ | USPAT | OR | ON | 2005/01/31 14:34 |
| S25 | 14 | S22 and subscriber and (concat\$ near4 value) and (second near2 key) and hash\$ | USPAT | OR | ON | 2005/01/31 16:06 |
| S26 | 17 | S22 and subscriber and concat\$ and (second near2 key) and hash\$ | USPAT | OR | ON | 2005/01/31 15:35 |
| S27 | 47 | S22 and subscriber and concat\$ and hash\$ | USPAT | OR | ON | 2005/01/31 15:35 |
| S28 | 47 | S22 and subscriber and concat\$ and hash\$ and keys | USPAT | OR | OFF | 2005/01/31 16:06 |
| S29 | 47 | S28 and (mobile or cellular) | USPAT | OR | ON | 2005/01/31 16:27 |
| S30 | 0 | S21 and subscriber and (concat\$ near4 initial) and (second near2 key) and hash\$ | USPAT | OR | ON | 2005/01/31 16:05 |
| S31 | 16 | S21 and subscriber and (concat\$ near4 value) and (second near2 key) and hash\$ | USPAT | OR | ON | 2005/01/31 16:06 |
| S32 | 51 | S21 and subscriber and concat\$ and hash\$ and keys | USPAT | OR | OFF | 2005/01/31 16:15 |

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| S33 | 1 | "6609199".pn. | USPAT | OR | OFF | 2005/01/31 16:15 |
| S34 | 1 | S33 and challenge | USPAT | OR | OFF | 2005/01/31 16:16 |
| S35 | 1 | S33 and challenge same key | USPAT | OR | ON | 2005/01/31 16:18 |
| S36 | 1 | S33 and concat\$ | USPAT | OR | ON | 2005/01/31 16:24 |
| S37 | 1 | S33 and random | USPAT | OR | ON | 2005/01/31 16:26 |
| S38 | 53 | concat\$ WITH (secret near2 key) | USPAT | OR | ON | 2005/01/31 16:26 |
| S39 | 31 | S38 and signature | USPAT | OR | ON | 2005/01/31 16:26 |
| S40 | 10 | S39 and (mobile or cellular) | USPAT | OR | ON | 2005/01/31 16:28 |
| S41 | 10 | S40 and hash\$ | USPAT | OR | ON | 2005/01/31 16:39 |
| S42 | 1 | "6516414".pn. | USPAT | OR | ON | 2005/01/31 16:39 |
| S43 | 1 | S42 and key | USPAT | OR | ON | 2005/01/31 16:40 |
| S44 | 1 | S42 and secret near key | USPAT | OR | ON | 2005/01/31 16:41 |
| S45 | 1 | S42 and signature | USPAT | OR | ON | 2005/01/31 16:41 |
| S46 | 1 | S42 and concat\$ | USPAT | OR | ON | 2005/01/31 16:47 |
| S47 | 1 | S42 and hash\$ | USPAT | OR | ON | 2005/01/31 16:47 |
| S48 | 1 | "6,609,199".pn. | USPAT | OR | OFF | 2005/08/19 13:42 |
| S49 | 1 | S48 and challenge | USPAT | OR | OFF | 2005/08/19 13:33 |
| S50 | 1 | S48 and challenge | USPAT | OR | ON | 2005/08/19 13:39 |
| S51 | 1 | S48 and concat\$ | USPAT | OR | ON | 2005/08/19 13:40 |
| S52 | 1 | S48 and sir | USPAT | OR | ON | 2005/08/19 13:40 |
| S53 | 1 | "6,516,414".pn. | USPAT | OR | OFF | 2005/08/19 13:44 |
| S54 | 1 | S53 and secret | USPAT | OR | OFF | 2005/08/19 13:44 |
| S55 | 1 | S53 and secret | USPAT | OR | ON | 2005/08/19 13:51 |
| S56 | 1 | S53 and signature | USPAT | OR | ON | 2006/11/09 11:01 |
| S57 | 1 | "6609199".pn. | USPAT | OR | OFF | 2006/02/01 14:22 |
| S58 | 1 | "6516414".pn. | USPAT | OR | OFF | 2006/02/01 14:24 |
| S59 | 1 | S58 and signature | USPAT | OR | OFF | 2006/02/01 14:35 |
| S60 | 1 | S58 and secret | USPAT | OR | OFF | 2006/02/01 14:29 |
| S61 | 1 | S58 and concat\$ WITH secret | USPAT | OR | OFF | 2006/02/01 14:29 |
| S62 | 1 | S58 and signature same (secret adj key) | USPAT | OR | ON | 2006/02/01 14:33 |
| S63 | 0 | S58 and mobile | USPAT | OR | OFF | 2006/02/01 14:35 |
| S64 | 885 | generat\$ WITH key WITH challenge | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/09 11:17 |

EAST Search History

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|-----|------|--|---|----|----|------------------|
| S65 | 66 | concatenat\$ WITH seed WITH key | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/09 11:42 |
| S66 | 5 | S64 and S65 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/09 11:18 |
| S67 | 44 | S65 and hash\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/09 11:20 |
| S68 | 2292 | concatenat\$ WITH (seed (random adj number) (first adj key) key) WITH key | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/09 11:43 |
| S69 | 38 | concatenat\$ WITH (seed (random adj number) (first adj key) key) WITH (second adj key) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/09 15:43 |
| S70 | 3 | S69 and challenge and hash\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/09 12:09 |
| S71 | 342 | S68 and challenge and hash\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/09 12:09 |
| S72 | 19 | concatenat\$ WITH (secret adj key) WITH ((serial adj number) id identifier) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/09 15:47 |
| S73 | 4 | S72 and (mobile cellular) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/11 17:24 |
| S74 | 149 | concatenat\$ WITH (secret adj key) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/09 16:53 |
| S75 | 52 | S74 and (mobile cellular) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/09 15:56 |
| S76 | 38 | S75 and signature | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/09 16:00 |

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| S77 | 1 | S76 and sswc | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/09 16:01 |
| S78 | 2 | S76 and wc-id | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/09 16:22 |
| S79 | 0 | S78 and session | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/09 16:27 |
| S80 | 23 | S76 and session | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/09 16:29 |
| S81 | 2 | (concatenat\$ combin\$ hash) WITH (secret adj key) with (phone adj number) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/09 16:52 |
| S82 | 2 | (concatenat\$ combin\$ hash) WITH (secret adj key) with ((phone adj number) \$SDN) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/09 16:53 |
| S83 | 19 | concatenat\$ WITH (secret adj key) WITH ((serial adj number) id identifier) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/11 17:24 |
| S84 | 6 | S83 and (mobile cellular phone) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/11 17:47 |
| S85 | 6 | S84 and hash\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/11 17:40 |
| S86 | 1062 | signature WITH hash\$ WITH key WITH message | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/11 17:40 |
| S87 | 412 | signature near3 hash\$ near3 key near3 message | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/11 17:41 |
| S88 | 13 | generat\$ near3 signature near3 hash\$ near3 key near3 message | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/11 17:41 |

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| S89 | 0 | signature near3 hash\$ near3 key near3 message near3 concatenat\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/11 17:46 |
| S90 | 169 | primary near signature | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/11 17:46 |
| S91 | 40 | S90 and (mobile cellular phone) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/11 17:55 |
| S92 | 6 | S91 and (private adj key) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/11 17:53 |
| S93 | 42 | (mobile cellular phone) near3 transmit\$ near signature | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/11 17:56 |
| S94 | 44 | station near3 transmit\$ near signature | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/11 17:56 |
| S95 | 18 | S93 and S94 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/11/11 17:56 |
| S96 | 1 | "6507907".pn. | USPAT | OR | OFF | 2006/11/13 08:59 |
| S97 | 0 | S96 and mobile | USPAT | OR | ON | 2006/11/13 08:49 |
| S98 | 1 | S96 and wireless | USPAT | OR | ON | 2006/11/13 08:49 |
| S99 | 1 | S96 and \$phone | USPAT | OR | ON | 2006/11/13 08:51 |
| S10 0 | 1 | S96 and signature | USPAT | OR | ON | 2006/11/13 08:51 |
| S10 1 | 1 | "6606313".pn. | USPAT | OR | OFF | 2006/11/13 08:59 |
| S10 2 | 1 | S101 and signature | USPAT | OR | OFF | 2006/11/13 08:59 |
| S10 3 | 1 | S101 and signature | USPAT | OR | ON | 2006/11/13 09:01 |
| S10 4 | 1 | S101 and key | USPAT | OR | ON | 2006/11/13 09:02 |
| S10 5 | 10 | (base adj station) WITH key WITH signature | USPAT | OR | ON | 2007/06/27 09:24 |
| S10 6 | 361 | mobile WITH signature | USPAT | OR | ON | 2006/11/13 09:03 |

EAST Search History

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| S10 7 | 6 | S105 and S106 | USPAT | OR | ON | 2006/11/13 09:05 |
| S10 8 | 1 | S107 and mbkey | USPAT | OR | ON | 2006/11/13 09:06 |
| S10 9 | 4 | S107 and private | USPAT | OR | ON | 2006/11/13 09:06 |